

INTERNATIONAL SEARCH REPORT

PCT/GB 03/02577

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B65H59/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B65H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|----------|--|-----------------------|
| A | DE 21 19 880 A (VYZKUMNY USTAV BAVLNARSKY) 18 November 1971 (1971-11-18) claim 1; figures --- | 1-3, 7, 11, 12 |
| A | PATENT ABSTRACTS OF JAPAN vol. 009, no. 226 (M-412), 12 September 1985 (1985-09-12) & JP 60 082571 A (MASAAKI MARUYAMA), 10 May 1985 (1985-05-10) abstract --- | 1-3, 7, 11, 12 |
| A | CH 551 338 A (B. WACHTER) 15 July 1974 (1974-07-15) the whole document --- | 1-3, 7, 11, 12 |
| A | US 2 715 505 A (A.A. ATKINS) 16 August 1955 (1955-08-16) figures 1-3 --- | 1-3, 7, 11, 12 |
| | | -/- |

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

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- *P* document published prior to the international filing date but later than the priority date claimed

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

29 August 2003

Date of mailing of the international search report

05/09/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
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| A | US 2 637 511 A (J.W.I. HEIJNIS) 5 May 1953 (1953-05-05) claim 1; figures | 1-3,7, 11,12 |
| A | US 1 965 363 A (E.J. ABBOTT) 3 July 1934 (1934-07-03) claim 1; figures 3,4 | 1-3,7, 11,12 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

PCT/GB 03/02577

| Patent document cited in search report | Publication date | Patent family member(s) | | Publication date |
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| DE 2119880 | A 18-11-1971 | CS AT CH DE JP | 149785 B1 313207 B 537868 A 2119880 A1 53023416 B | 23-08-1973 11-02-1974 15-06-1973 18-11-1971 14-07-1978 |
| JP 60082571 | A 10-05-1985 | | NONE | |
| CH 551338 | A 15-07-1974 | IT JP | 984012 B 49020466 A | 20-11-1974 22-02-1974 |
| US 2715505 | A 16-08-1955 | | NONE | |
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| US 1965363 | A 03-07-1934 | | NONE | |